

USSN: 10/017,157
Amendment dated November 12, 2004
Reply to Office Action of July 14, 2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method of protecting skin from the damaging effects of exposure to UV light, said method comprising the following steps: topical administration of a cosmetic or dermatological O/W formulation comprising water-soluble or water-dispersible polyurethanes having improved water resistance and further comprising at least one UV filter substance, the method further comprising the steps of:

(a) topically applying to said skin an effective amount therefor of a cosmetic or dermatological oil-in-water (O/W) formulation comprising:

- i) at least one UV filter substance; and
- ii) at least one water-soluble or water-dispersible polyurethane; and

(b) forming a moisture-resistant layer on said skin as a result of said topically applying;

wherein said at least one water-soluble or film-forming water dispersible polyurethane

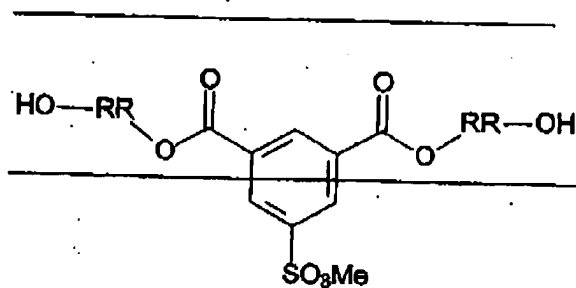
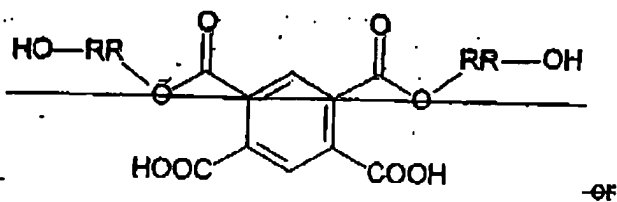
has been formed by a process comprising polyaddition of: composition,

wherein, the polyurethane composition comprises,

at least one component formed by polyaddition of (i) a) at least one diisocyanate; and b)

(ii) at least one diol comprising containing acid or salt groups; and having the structure

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In which RR is in each case a C2-C18 alkylene group, and Me is Na or K,

o) at least one with (iii) a di-hydric or poly-hydric compound selected from the group consisting of diols, aminoalcohols, diamines, polyesterols, and polyetherols;

at least one UV filtering compound; and

(b) applying said composition to said skin to form a moisture resistant layer.

2. (Canceled).

3. (Original) The method as claimed in claim 2, wherein the O/W formulation is an emulsion.

4. (Original) The method as claimed in claim 2, wherein the O/W formulation is a microemulsion.

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5. (Original) The method as claimed in claim 2, wherein the O/W formulation is a hydrodispersion.
6. (Previously presented) The method of claim 1, wherein the UV filter substance is water soluble.
7. (Original) The method as claimed in claim 1, wherein the cosmetic or dermatological preparations comprise, based on their total weight, from 0.1 to 10% by weight of polyurethanes.
8. (Previously presented) The method of claim 1, wherein the cosmetic or dermatological preparations comprise one or more water-soluble UV-A filter substances.
9. (Currently amended) The method as claimed in claim 1, further comprising at least one broadband filter selected from the group consisting of one or more bis-resorcinyltriazines.
10. (Previously presented) The method of claim 1, further comprising at least one broadband UV filter, wherein said filter is a benzotriazole.
11. (Currently amended) A method of protecting skin from the damaging effects of exposure to UV light, said method comprising the following steps: ~~topical administration of a cosmetic or dermatological O/W formulation comprising water-soluble or water-dispersible polyurethanes having improved water resistance and further comprising at least one UV filter substance, the method further comprising the steps of:~~

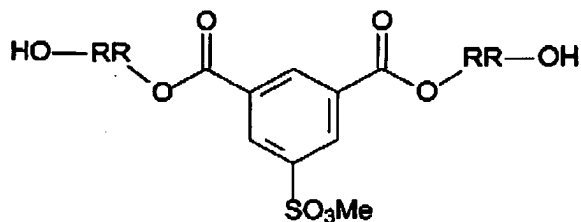
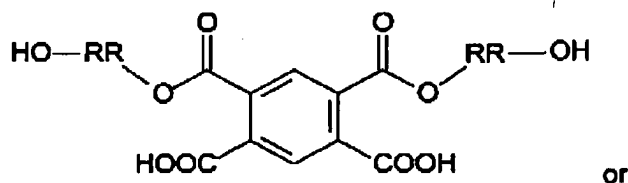
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(a) topically applying to said skin an effective amount therefor of a cosmetic or dermatological oil-in-water (O/W) formulation comprising:

- i) at least one UV filter substance; and
- ii) at least one water-soluble or water-dispersible cationic polyurethane; and

(b) forming a moisture-resistant layer on said skin as a result of said topically applying;

wherein said at least one water-soluble or ~~film-forming~~ water dispersible cationic polyurethane has been formed by a process comprising polyaddition of either,



In which RR is in each case a C2-C18-alkylene group, and Me is Na or K, with

- a) (i) at least one diisocyanate that was optionally pre-reacted with one or more compounds that contain two or more active hydrogen atoms per molecule

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selected from the group consisting of diols, aminoalcohols, diamines,

polyesterols, and polyetherols,

and

b) (ii) at least one compound selected from the group consisting of diols,

aminoalcohols, primary or secondary diamines, and primary or secondary

triamines having one or more tertiary, quarternary or protonated tertiary nitrogen

atoms, ~~and at least one UV filtering compound; and~~

~~(b) applying said composition to said skin to form a moisture resistant layer.~~

12. (Previously presented) The method of claim 8 wherein the one or more water-soluble UV-A filter substances is selected from the group consisting of phenylene-1,4-bis(2-benzimidazol-3,3'-5,5'-tetrasulfonic acid and/or 1,4-di(2-oxo-10-sulfo-3-bornylidenemethyl)benzene and/or salts thereof.

13. (Previously presented) The method of claim 12, wherein the salts of the one or more UV-A substances are selected from the group consisting of the corresponding sodium, potassium, triethanolammonium salts and phenylene-1,4-bis(2-benzimidazol-3,3'-5,5'-tetrasulfonic acid bis-sodium salt.

14. (Previously presented) The method as claimed in claim 10, wherein at least one broadband filter is selected from the group consisting of 2,2' methylenebis(6 (2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol) and/or 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]phenol.

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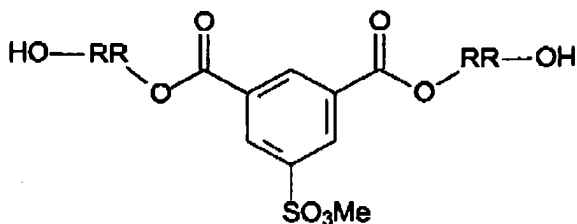
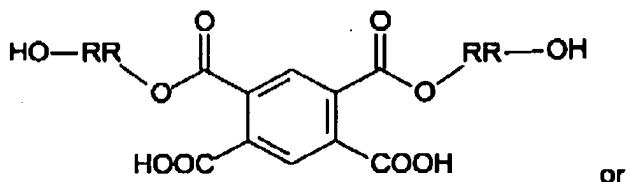
15. (Previously presented) The method as claimed in claim 9, wherein the broadband

filter is 2,4 bis[[4-(2-ethylhexyloxy)-2-hydroxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazine.

16. (New) The method of claim 1 wherein the O/W formulation further comprises at least one inorganic sunscreen.

17. (New) The method of claim 16 wherein at least one inorganic sunscreen comprises coated and/or uncoated titanium dioxide.

18. (New) The method of claim 1, wherein the polyurethane composition comprises at least one component formed by polyaddition of either,



in which RR is in each case a C2-C18-alkylene group, and Me is Na or K.

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CONDITIONAL PETITION FOR EXTENSION OF TIME

If entry and consideration of the amendments above requires an extension of time, Applicants respectfully request that this be considered a petition therefore. The Assistant Commissioner is authorized to charge any fee(s) due in this connection to Deposit Account No. 14-1263.

ADDITIONAL FEES

Please charge any further insufficiency of fees, or credit any excess to Deposit Account No. 14-1263.